

Application No.: 10/808979  
Docket No.: CL2360USNA

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**Amendments to Claims**

**Claims 1-5 (Canceled)**

**Claim 6 (Original).** An isolated nucleic acid molecule as set forth in SEQ ID NO:18, comprising the *crtE*, *crtX*, *crtY*, *crtI*, *crtB* and *crtZ*, genes or an isolated nucleic acid molecule having at least 95% identity to SEQ ID NO:18, wherein the isolated nucleic acid molecule encodes all of the polypeptides crtE, crtX, crtY, crtI, crtB and crtZ.

**Claims 7 - 12 (Canceled)**

**Claim 13 (Previously Presented).** A chimeric gene comprising the isolated nucleic acid molecule of Claim 6 operably linked to suitable regulatory sequences.

**Claim 14 (Original).** A vector comprising the isolated nucleic acid molecule of Claim 6.

**Claim 15 (Original).** A transformed host cell comprising the chimeric gene of Claim 13.

**Claim 16 (Currently Amended).** A transformed microbial host cell comprising the isolated nucleic acid molecule of claim 6.

**Claim 17 (Original).** The transformed host cell of Claim 15 or 16 wherein the host cell is selected from the group consisting of bacteria, yeast, filamentous fungi, algae, and green plants.

**Claim 18 (Original)** The transformed host cell of Claim 17 wherein the host cell is selected from the group consisting of *Aspergillus*, *Trichoderma*, *Saccharomyces*, *Pichia*, *Candida*, *Hansenula*, *Yarrowia*, *Rhodospiridium*, *Lipomyces*, *Salmonella*, *Bacillus*, *Acinetobacter*, *Zymomonas*, *Agrobacterium*, *Flavobacterium*, *Rhodobacter*, *Rhodococcus*, *Streptomyces*, *Brevibacterium*, *Corynebacteria*, *Mycobacterium*, *Escherichia*, *Pantoea*, *Pseudomonas*, *Methylomonas*, *Methylobacter*, *Methylococcus*, *Methylosinus*, *Methylomicrobium*, *Methylocystis*, *Alcaligenes*, *Synechocystis*, *Synechococcus*, *Anabaena*, *Thiobacillus*, *Methanobacterium*, *Klebsiella*, *Methylophilus*, *Methylobacillus*, *Methylobacterium*, *Hyphomicrobium*, *Xanthobacter*, *Paracoccus*, *Nocardia*, *Arthrobacter*, *Rhodopseudomonas*, *Torulopsis*, *Phaffia*, and *Rhodotorula*.

**Claims 19-32 (Canceled)**